

# MT. AIRY V.H.F. RADIO CLUB, INC.

# CHEESE BITS



**W3CCX**

CLUB MEMORIAL CALL

SCANNED TO PDF BY BERT, K3IUU, 2013



ARRL  
Affiliated  
Club

MARCH 1996

## THE PREZ SEZ

What are THEY going to do about it? During the 20 years that I have been a Packrat I have heard different members of the club unconsciously recite those infamous words. You can sometimes hear it at our meetings, on the air, and even occasionally at a board of directors meeting. It's not a new issue but one that crops up from time to time as members discuss club activities and upcoming decisions. How did some of us make the change from "them" to "us"? I don't recall any particular event or ceremony but from what I can remember it was really easy. In my case I guess it started shortly after I joined the club. I attended a directors meeting; no one invited me but I figured that since I was a member it was my club too. Besides having a great time, I learned how the club worked and stayed vibrant for all these years. Soon afterward I participated in the club's annual June contest activity, again, no one specifically asked me to be there but I wanted to learn how the RF guru's put together a station and what could be worked. Even though I barely knew up from down I was given the opportunity to log and operate and have the time of my life. I've never looked back. So, when I hear a member ask "what are THEY doing about this or that" when referring to the club directors or the active member "clique" I can't help wondering how did we fail to get that member involved. What's missing? The enthusiasm generated by all of the January contest preparation has given the club a tremendous boost but we could sure use a lot more members who cross the line from "them" to "us".

Congratulations (or maybe it should be condolences) to Jerome K3GNC who walked away with the 1996 Contest Crying Towel. Although there were many tales of Murphy's visits, Jerome had all of us in tears while he recounted his contest weekend of tangled antennas and floating grounds.

March's meeting is the annual Homebrew Night. Bring in your latest skunk works project and compete for a range of awards from Best Design to Most Miserable Failure. Better yet bring along a guest visitor. This is one of the best meetings to show off what the Packrats are really all about. WA3NUF Attendees at the contest wrap-up session held on Sunday Feb. 11 at WB2YEH's QTH. WB2YEH, WA3AXV, WA3IAC, WA3JUF, K3EOD, N3OZO, N3ITT, WA3YUE, N3AOG, WB3DNI, WA3NUF, KB3XG, AA2UK, N2SB, WB3JYO and future member(?) son Maxwell.

With deep regrets we have learned about the passing of two well known and respected VHF ers, Al Ross, K4CAW and Bob Macomber, KA2TVA. While neither of these fine operators was ever a member of the club they both could be depended upon to support our on the air activities whether it was a contest QSO or a regular check in on the Monday Night Nets. They will be sorely missed.

73, Phil, WA3NUF

## MEETINGS

Third Thursday each month at 8:00 PM  
Southampton Free Library  
947 E. Street Road  
Southampton, PA 18966

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**DEADLINE FOR ARTICLES AND SWAP SHOP IS THE MONTHLY MEETING DATE. NON-COMMERCIAL SWAP SHOP ITEMS-FREE OF CHARGE.**

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**PACKRAT 222 MHz REPEATER - W3CCX/RPTR**

222.98/224.58 MHz, Churchville, PA

**OFFICERS: 1995-1996**

PRESIDENT:	WA3NUF,	Phil Migulez
VICE PRES:	WB2YEH,	Bob Fischer
REC. SECR:	WA3AQA,	Walter Zumbach
TREASURER	WA3JUF,	Dave Mascaro
COR. SECR:	N3AOG,	Dick Comly
DIRECTORS:	N3ITT,	Alan Sheppard (1 YR)
	N3DQZ,	John Kauker (1 YR)
	N3OZO,	Don Schwartzkopf (2 YR)
	WB3KRW,	Steve Dallas (2 YR)

**MONDAY NIGHT NETS**

<u>TIME</u>	<u>FREQ.</u>	<u>NET CONTROL</u>
7:30 PM	50.150 MHz	K3EOD
8:00 PM	144.150 MHz	W2EIF
8:30 PM	222.125 MHz	WB2YEH
8:30 PM	224.58R MHz	N3ITT
9:00 PM	432.110 MHz	WA3AXV
9:30 PM	1296.100 MHz	WA3NUF
10:00 PM	903.100 MHz	N3AOG

**COMMITTEE CHAIRMEN**

LADIES' NIGHT: N3AOG 215-443-9965  
 JUNE CONTEST: WA3AXV 215-355-5730  
 HAMARAMA: WB3JYO 609-538-1687  
 VHF CONFERENCE: KB3XG 610-584-2489

**PACKRAT BEACONS - W3CCX/B**

432.298 MHz 903.071 MHz  
 1296.262 MHz 2304.034 MHz



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## Calendar of Coming Events - March 1996

- 2 **Shore Points ARC Springfest 96** at Holy Spirit High School, Rte 9, 1/2 mile S. of Rte 30 in Absecon, NJ. TI on 146.385/985.
- 2-3 **ARRL International DX Contest** (phone). See page 105 of the Dec. Issue of QST for rules.
- 2-3 **European EME Contest, 432 and 2304 MHz** portion sponsored by DUBUS. See March QST, page 97 for rules.
- 14 **Packrat Board of Directors Meeting** at the QTH of AI, N3ITT. All interested parties welcome. Starts at 8:00 P.M. Call 610-847-5490 for directions.
- 17 **Keystone VHF Club Hamfest and Computerfest** at the Dover Fire Hall, Rte. 921 (Canal St.), Dover, Pa. VE exams will be given. Talk-in on 146.37/97. VE exams will be given.
- 17 **St. Patrick's Day.**
- 21 March meeting of the Mt. Airy VHF Radio Club at 8:00 P.M. at the Southampton Free Library on Street Rd. The program will be the annual **HOME BREW** Night. Bring your successes, failures and works in process to share with all. You do not have to be a member to enter. All interested VHFers and microwave enthusiast are welcome. Prizes will be awarded in several categories.
- 20 Death of Brendan Behan, Dublin 1964.
- 24 **HAMCOMP '96** will be held at Trenton State College on Rte 31, Ewing Township. TI on 146.07/67.
- 30-31 Timonium Md. **ARRL Maryland State Convention and Greater Baltimore Hamboree** and **Computerfest** at the Maryland State Fairgrounds. VE exams given.
- 28 **LEAP INTO THE MICROWAVES with the Packrats!** 903 and above. Starting on the 4th Thursday of the month and continuing every 4th Thursday of the month operate from 8 to 10 PM local time on any band 903 MHz and above. For coordination on those difficult long haul contacts 144.260 MHz is the suggested liaison frequency. So here's your chance to fix what broke in the contest and work all those stations you missed.

## NEW CHEESEBITS LOOK

Cheesebits is sprouting a new look thanks to the hard work and talents of Ron, WA3AXV and his wife Lynn. We're back to a little color and the benefit of an offset press that make the cover, inside page and the back pages just a little sharper than what standard copiers will do. I hope you like it and let Ron and Lynn know too. As editor, I have to print what I get and with a little discretion, I print generally what I receive and can find that I think will be of interest. It's the club's newsletter, not mine. If you would like the content to include something else, please let me know. I will attempt to satisfy. If you have something to say, write it up and get it to me. I prefer it to be on some sort of IBM compatible format but handwritten is fine. Just remember that when I enter it, I add my spelling mistakes to yours! Technical articles are always welcome, I try to keep a balance. Tid bits are always wanted. Let me know what projects you are up to so others will also know and will be able to take advantage of your experience in finding and correcting problems. Just a phone call will do it. Drop me a line, the phone number, e-mail address and US mail address are on page 2 of each issue. You don't have to be a member to contribute or place an ad. 73, Harry, W3ITT.

## CHEESEBITS SUBSCRIPTIONS

Cheesebits subscriptions are available to everyone interested in activities and information from the VHF through the microwave frequencies. Subscriptions are for 1 year of 12 issues. For a subscription, send the following information:

Name: \_\_\_\_\_ Call: \_\_\_\_\_

Street Address: \_\_\_\_\_

Town: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Subscription Rate: \$10.00 per year (USA), \$12.00 (Canada), \$15.00 (Worldwide)

March 1996 Send to: SUBSCRIPTION/ADVERTISING MANAGER:

Bob Fischer, WB2YEH  
7258 Walnut Avenue  
Pennsauken, NJ 08110

## 96 JANUARY CONTEST WRAP-UP

By: Al Sheppard, N3ITT, 1996 January Contest Committee Chairman

"**THE RATS ARE BACK**" - Yes!!, that is the only conclusion that can be reached after reviewing the results of the contest wrap-up (printed in this issue). Our final club score submitted to the League is **2,423,223** points, a tremendous gain over last year's 1,481,543!

But more important than this contest score is what it represents. It shows that the Packrats have become a dynamic and revitalized group during the last year. New members have provided boundless levels of enthusiasm (not to mention some huge logs HI!), and some great ideas for the future. Some of our great, but lately inactive members have been lured back to the airwaves. Truly, it was a **TEAM SPIRIT** that made this possible. During the last year, working together, many Packrats made great improvements to their stations that otherwise might not have been possible. Then there is the matter of organizing the contest effort. This, too is a TEAM effort (remember the full name of my job is Contest COMMITTEE Chairman), so let's all thank those who worked with me towards this success - Dave, WA3JUF, Phil, WA3NUF, Al, K3EOD, Bill, K3MFI, Bob, W3GXB, Bob, WB2YEH, Harry, W3IIT, Walt, WA3AQA, and of course to all the team captains and those who helped at the Contest wrap-up session.

I guess the only thing on the downside is the fact that we only have 49 logs to submit but more discussion on that in the future.

In closing, all I can say is that I wish I knew where the enthusiasm came from this year, but I hope it grows stronger and continues. Let's all try to search out and enroll new members, and keep active ones active. try to attend more meetings and activities, or check into the nets and the new Microwave Activity Night "Leap into Microwaves" the 4th Thursday of each month on 903 MHz up.

Well, that's it. As of this time of the year I am considering doing this one more time (you don't have to be crazy, but it helps) so look for this column to start again in Sept. or Oct. Till then, let's keep the momentum going!

## LEAP into the MICROWAVES

By: Ron Whitsel WA3AXV

"Leap into the Microwave" night kicked off on leapday, Thursday February 29. All indications were that this latest endeavor by the Pack Rats was a huge success. The intent of the now monthly event is to increase activity on our precious microwave frequencies and at the same time provide a pool of active stations for testing equipment and maybe even working a new grid. I think we had a good start at meeting these goals.

Bill, AA2UK, started the evening on 144.260 MHz and 222.980 MHz (Pack Rat Repeater) promptly at 2000 hours. There were about ten eager check-ins right at the start. Stations immediately caught on to the action and picked liaison frequencies to coordinate microwave contacts. This went on for the scheduled 2 hour period and beyond. In all I logged at least 20 check-ins throughout the evening. After the initial flurry of activity the event kind of ran itself. The stations coming back to 144.260 MHz to look for new stations to work. Many new grids were worked on the bands from 900 MHz to 10 GHz. WA1YHO-FN42, W3IP-FM19, WA2TEO-FN31, WA4VHF-FM19 and AA2UK-FM29 along with a host of FN20 stations were some of the areas represented.

Remember, this will be a monthly event, the forth Thursday of every month. Spread the word. Maybe your club or group should think about similar activity in your area.

Stations heard: AA2UK, WA3AXV, WA1YHO, N3NGE, W3GXB, W3IP, N3ITT, WA3AQA WA3NUF N3AOG KB3IB, WA2TEO WZ1V, WA4VHF, WB3DNI, N3EXA, WA3JUF, K3GNC, WC2K, and WB3JYO.

## New GaAs MIMIC AMPLIFIERS from MINICIRCUITS

Minicircuits has a new GaAs MIMIC series out that will be of interest to homebrewers, The new ERA series consists of 3 devices in separate frequency ranges, the ERA-1, ERA-2 and the ERA-3. Their specs (at 2 GHz) are as follows:

Device	<u>ERA-1</u>	<u>ERA-2</u>	<u>ERA-3</u>			
Freq. Range*	DC-8000 MHz	DC-6000 MHz	DC-3000 MHz			
Gain	11.6 dB	14.9 dB	20.2 dB			
Max. Pwr Out @ 1 dB compression	13 dBm	14 dBm	11 dBm			
Dynamic Range	<u>NF</u> 7 dB	<u>IP3</u> 27 dBm	<u>NF</u> 6 dB	<u>IP3</u> 27 dBm	<u>NF</u> 4.5 dB	<u>IP3</u> 23 dBm
Price , Quantity. 10)	\$1.80	\$1.95	\$2.10			

\* Low frequency cutoff depends on the external coupling capacitors.

Minicircuits has a Designers kit of 30 devices, 10 of each type, available for \$49.95.

Mt. Airy VHF Radio Club, Inc.

'The Pack Rats'

January 1966 VHF Sweepstakes Contest

Total Logs: 49

Total Club Score: 2,423,223

Call	Contacts and Grids per band																Total				
	50 MHz		144 MHz		222 MHz		432 MHz		903 MHz		1.3 GHz		2.3 GHz		3.4 GHz		5.7 GHz+		Contacts	Grids	Score
AA2UK	130	24	274	38	82	24	112	25	45	16	61	16	23	5	9	2	7	2	743	152	232,256
WA3AXV	87	15	235	28	95	18	125	20	43	11	63	10	24	5	15	2	18	4	705	113	185,546
WA3NUF	105	20	254	26	91	22	117	21	35	9	52	13	19	3	13	2	11	2	697	118	173,106
WB3JYO	104	19	217	23	68	18	96	19	35	9	49	8	19	4	6	2			594	102	120,870
WB2YEH	104	17	187	21	86	13	102	14	43	10	53	10	19	3	13	2			607	90	117,630
N2SB	82	18	184	22	67	16	66	16	29	7	46	7	20	3	12	2	3	2	509	93	103,416
KB3QM	72	18	171	29	67	19	81	23	27	11	37	11	4	3					459	114	94,278
N3EXA	94	15	222	22	85	15	105	15	31	6	42	8	16	3					595	84	93,744
WC2K	135	23	49	5	45	14	69	17	21	10	40	13	20	5	10	2			389	89	79,744
WB3DNI	60	12	180	19	54	9	95	16	28	5	37	6	16	3	7	2	7	2	484	74	76,812
WB2JHG	77	18	169	24	73	18	75	19			40	9	16	3					450	91	75,530
WA3JUF	42	7	167	19	81	17	76	17	28	7	39	6	17	2	4	1			454	76	72,884
N3DQZ	134	18	246	28	77	16	96	19			27	4							580	85	70,890
WB3KRW	82	18	251	27	84	20	90	19			14	2							521	86	63,382
K3GNC	43	8	174	26	73	18	93	18			34	5							417	75	51,375
KB3IB	57	13	104	19	53	11	69	16	28	7	42	8							353	74	50,690
N3AOG	47	8	114	15	52	4	59	9	23	3	29	3	17	3	7	2	8	3	356	50	42,350
AK3O	58	10	115	12	54	7	51	10	24	4	33	4	14	2					349	49	35,427
WA3U	81	15	208	25	38	12	60	13											387	65	31,525
WB3GAD	50	6	225	26	41	2	93	16											409	50	27,150
K3MFI	106	12	192	17	29	2	87	12			15	2							429	45	26,550
WA3AQA	79	13	106	13	52	8	53	7	19	3	19	3							328	47	25,709
N3NGE	29	7	66	15	33	11	42	11	24	7	28	5							222	56	25,368
WB3GXB	34	4	142	19	35	7	48	11	17	3	18	5							294	49	23,618
N3GSA	87	15	142	18	31	4	50	7	18	3									328	47	21,761
WB8ZAR	65	15	114	17	40	8	37	9	15	5									271	54	21,222
K3IUV	57	8	108	18	61	7	58	10			16	2							300	45	21,015
W3KKN	31	2	123	8	53	6	52	8	21	2	35	4							315	30	17,640
WA3EHD	62	9	144	14	47	3	42	5			20	2							315	33	15,312
W2EIF	33	5	92	9	52	8	46	8	3	2	11	2	6	2					243	36	15,300
K3EBZ	78	12	104	11	37	3	36	5			3	1							258	32	10,880
AA3GN	49	6	150	20	28	3	16	2											243	31	8,897
KU3A	32	7	78	11	39	9	25	5											174	32	7,616
W3IIT	67	8	100	8	46	6	1	1											214	23	6,003
WB2VLA	24	5	44	8	30	3	34	7	9	2									141	25	5,800
WA3RLT	35	5	89	13			28	5			6	2							158	25	5,100
KB3XG					4	1			11	2	14	3	9	2	8	2	9	3	55	13	4,108
W3HXY	27	3	21	5	27	3	28	3	10	2	7	2							120	18	4,068
K3ESJ	12	4	104	16			16	2											132	22	3,256
N2DEQ			131	15															131	15	1,965
K3PHY			99	7	12	1			11	2									122	10	1,670
WA3IAC			77	2	36	3	10	2											123	7	1,183
W3CXU	37	5			30	2													67	7	679
K3VEQ			18	3															18	3	54

## January 1996 Contest Multi-Operator Results

Multi-Ops Call	Contacts and Grids per band											Total									
	50 MHz	144 MHz	222 MHz	432 MHz	903 MHz	1.3 GHz	2.3 GHz	3.4 GHz	5.7 GHz+	Contacts	Grids	Score									
WORSJ w/WORSJ, W1PV, WB2ONA	160	26	417	34	71	21	119	20	29	6	8	3	1	1	805	111	127,095				
WA2OMY w/WA2OMY, WA3YUE	99	20	231	24	74	13	92	16	23	7	27	6	15	2	7	2	5	3	573	93	100,254
N3ITT w/N3ITT, N3OZO, K3FMQ	144	18	249	24	42	6	79	13	19	3	30	5	1	1	564	70	58,730				
K3EOD w/K3EOD, N3DG, WA3IAC, WR3P, WF3W	195	27	280	17	57	8	65	9	5	2	5	2			607	65	49,335				
K3DMA w/K3DMA, DAVE TAYLOR, & NET	70	7	121	9	56	7	47	5			21	2			315	30	14,430				

### WANT ADS:

(send all ads to the editor)

**For Sale:** Toko 4 section Helical filters for insertion into your 903 LNA output. Two 2-section Tokos in cascade (4 sections total), pretuned for 902-903, with hookup and sweep 902-912 = 5 dB IL, rejection @ 890 = -20 dB, 880 = -35 dB, 870 = -45 dB, 860 = -55 dB MHz with test data. \$15.00 post paid. Contact Ron Klimas, WZ1V at 458 Allentown Rd., Bristol, CT 06010-5967.

**For Sale:** Coax Relays. RLC Electronics Model S-2886, SPDT with type N connectors, Coil voltage 15 volts DC, Isolation 60 dB to 7 GHz, Power Capacity 100 watts, completely sealed. \$25.00 each plus \$3.00 UPS shipping. Loral Wavecom 4 position coaxial switches, sma connectors, 24 volt coils with indicator circuits. Similar to Loral Narda Model SEM143 that are specified for 0.2 dB maximum insertion loss to 3 GHz, .3 dB to 8 GHz and 0.4 dB to 12.4 GHz. Minimum Isolation specified as 80 dB to 3 GHz, 70 dB to 8 GHz and 60 dB to 12.4 GHz. Price \$35.00 each plus \$3.00 UPS shipping. Contact Dan, W1QK at 203-775-9525 (6-9 PM) or write to 121 Candlewood Lake Road, Brookfield, CT 06804.

**Wanted:** Your tube type CB rig. Contact Gary, WA2OMY, 610-539-6409.

**Wanted:** Tokyo Hy-power 222 MHz Amp. 2 watts in, 20 watts out, built-in preamp. excellent condition. \$65.00 plus shipping. VE4MA Type Feed Horns for 1296 MHz. Constructed of Heavy Gauge Aluminum, all seams welded, "N" Type connectors 90 degrees apart for circular polarity. All you need to add are wire probes and hose clamps. \$70.00 plus shipping (about \$20.00). Contact Rick Phillips, KB3PD, at 302-737-7966 after 2100 UTC.

### Dayton Hamfest VHF Weak Signal Group Hospitality Suite

By: Tom Whitted, WA8WZG

The VHF Weak Signal Group that meets Monday Nights at 0200 UTC on 3.843 MHz would like to invite everyone that is coming to the Dayton Hamvention to our Hospitality Room. We have reserved a ballroom that will seat 150 on Friday night, May 17, 1996 from 7:00 PM until at least 10:30 PM at the Downtown Dayton Radison Inn. There will be a cash bar as well as plenty of seating to allow you to mix and mingle with other VHFers from all over the country and the world. There will be over 50 prizes with two grand prizes worth over \$300.00 each being drawn starting at 9:00 PM. There will also be a noise figure measuring table so bring along your preamps to tweek.

The cost of a ticket to attend this function is only \$5.00 per person and they are on a first come basis. You may order your tickets by sending \$5.00 plus an SASE to either Tom Whitted, WA8WZG, 4641 Port Clinton East Rd., Port Clinton, Ohio, 43452 or to Tony, WA8RJF at his callbook address. All money collected will be used to purchase the grand prizes.

For those of you that have come to our VHF dinner before, we have decided to eliminate the dinner as we have out grown previous meeting place and this allows more time to meet and talk with each other.

Looking forward to seeing you at Dayton. &3's, Tom, WA8WZG



## RF CONNECTORS N3AOG

TYPE	FREQ.	VOLTAGE	COUPLING
APC 2.4	0 - 50 GHZ	400V	M7 X .075 THD
APC 3.5	0 - 34 GHZ	1.500V	.250-36 THD
APC 7	0 - 18 GHZ	2500V	.687-24 THD
APC N	0 - 18GHZ	2500V	.625-24
BNC	0 - 4 GHZ	500V	BAYONET
N	0 - 11 GHZ	1500V	.625-24 THD
SMA	0 - 18 GHZ	500V	.250-36 THD
SMA HI PERF	0 - 26.5 GHZ	500V	.250-36 THD
SSMA	0 - 40 GHZ	500V	10-36 THD
SMB	0 - 4 GHZ	375V	SNAP-ON
SMC	0 - 10 GHZ	375V	.190-32 THD
SSMB	0 - 4 GHZ	250V	SNAP-ON
SSMC	0 - 12.4 GHZ	250V	.138-40 THD
SC	0 - 11 GHZ	1000V	.687-24 THD
TNC	0 - 11 GHZ	500V	.437-28 THD
UHF	0 - 300 MHZ	500V	.625-24 THD



## VHF+ NEWS & ACTIVITY

By Jerome Byrd, K3GNC

"RESTRAINT IN THE BUILDING OF A VHF+ WEAK SIGNAL STATION IS NO VIRTUE. EXTREMISM IN THE BUILDING OF A VHF+ WEAK SIGNAL STATION IS NO CRIME"

### ON THE BANDS:

Propagation continues to be poor. AA2UK (FM29) reported working WA8CXI (EM89) on Sunday morning (Feb. 11) with S9 signals during a very short lived warning trend.

### STATION WATCH:

WD8BYA, Gedas (FM18) is looking for SSTV contacts on 144 SSB. He can direct the casually interested to an inexpensive software setup, costing only a few dollars!! Gedas monitors 144.200 a good part of the day and early evening.

### LET LOOSE THE DOGS OF WAR:

Bill, AA2UK, continues his assault for the number one spot nationally. Most "restrained" people would have taken a pause after a 232K+ contest score. Bill, however, ups the ante by improving his 2 and 3 Gig station via separate receive feeds. He says 1 5/8" feedline for 1296 MHz is coming shortly.

Gene, W3ZZ (FM19) has added a 300+++ watt cavity cannon for 903 MHz to his arsenal of weapons. Gene, Terry, WD8ISK, and others will be aiming their artillery from top of a high mountain in EM98 during the June contest.

### WHERE OH WHERE IS CARMEN SANTIAGO:

VE3ASO (FN25), WB2IFC (FM27), N3FQG (FN00), ANYONE (FM15, FM06), N5FA (EM88), VE3URS (FN15).

### ONE BRILLIANT, OBSERVANT MAN'S OPINION:

Poor propagation is no excuse for the lack of activity. Most well equipped VHF+ weak signal stations can communicate over distances up to 400+ miles under mediocre conditions.

Everyone should make a resolution that they will call CQ to three or more directions at least once each day/night they are in the shack. If you are in the shack only once a month, fine; call CQ once a month. If you are in the check almost every night and don't call CQ, SHAME, SHAME, SHAME.

Please let me know about any openings, nets, propagation, etc.

## TID BITS

For those of you pursuing VUCC awards, there is a new application form. See Harry, W3IIT, for a copy.

The March 1996 copy of the N.E.W.S. Letter has an article by Bruce, N2LIV, on modifications to the Kenwood TS-450S and TS-690S to convert them to low power for driving transverters.





The Northern Lights Radio Society will again sponsor the "Summer All-Band Sprint". This three hour event will be held on Monday, July 8th. This is an all-band sprint (50 MHz and up), as the title suggests, and uses the same scoring as the June VHF QSO Party. Complete rules will be sent out on the reflector in Spring and will be in all the magazines. Last years Summer sprint featured activity in all areas of the US and Canada and good 6 meter propagation. Spread the word! 73's Rich N0HJZ (EN34) 50-2304 MHz-

MFJ has a new 6 Meter Transceiver available. The model 9406 was designed by Rick, K1BQT, and covers USB with CW as an add on module. Power output is 10 watts PEP or approximately 8 watts CW. Frequency coverage is 50.000 to 50.300 MHz. The price is \$249.95, the CW board is \$39.95, and the microphone is \$10.00.

Ten-tec now has a 2 Meter to 6 Meter Transverter available. The Model 1209 unit will be available in February. Power output is 10 watts. Frequency coverage is 50 to 54 MHz. The price is \$95 for the kit and \$159 for a factory assembled unit. There is also a 20 meter to 6 meter version available for the same price with a frequency coverage of 50.000 to 50.350 MHz. Both units use rf switching and PIN diode switches for the T/R relay.

# JUNE 1996

*Sun Mon Tue Wed Thu Fri Sat*

							1 153
2 154	3 155	4 156	5 157	6 158			
		11 163	12 164	13 165	14 166	15 167	
16 168	17 169	18 170	19 171	20 172	21 173	22 174	
23 175 /30 182	24 176	25 177	26 178	27 179	28 180	29 181	

## TID BITS Contd.

The results of the ARRL 10 GHz Cumulative Contest show Ron, WA3AXV with 16 contacts, 12 call signs and a best DX of 549 Km.

At the ARRL Board of Directors meeting, Hugh Turnbull, W3ABC, Atlantic Division Director was voted to Vice President of the ARRL and Kay Craigie, WT3P, Atlantic Division Vice Director was elevated to Director of the Atlantic Division.

The Northern Lights Radio Society now has a Web page. It is <http://www.umn.edu/nlhome/m374/husby002/nlrs.htm>.

Update on Richard, K2EVW's phone number new area code of (540). Correct number is now 540-539-2151. Richard made recently made a quick trip to sunny Croatia and hopes to be at the March meeting and with luck at the June contest operation.

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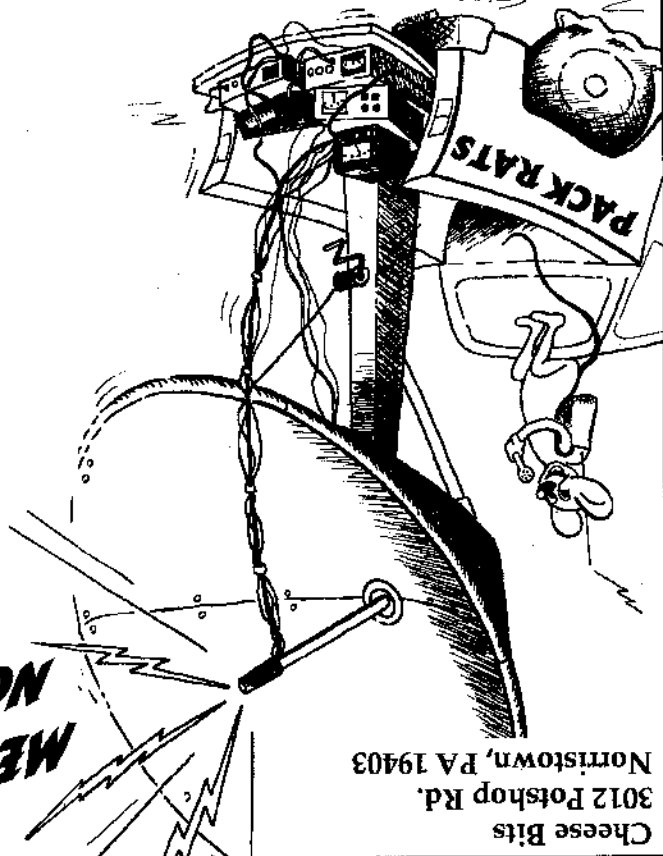
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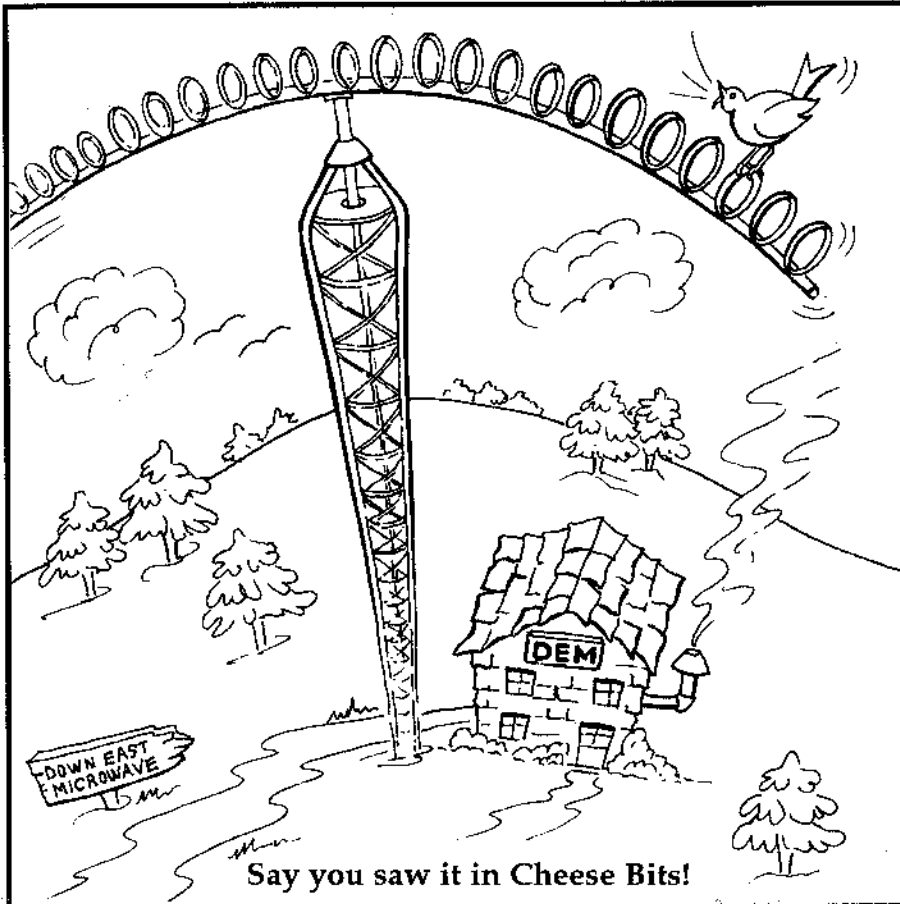


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